

IN THE ABSTRACT:

Please substitute the following Substitute Abstract for the originally filed Abstract.
A marked up copy of the originally filed Abstract is provided on the following page
indicating the changes made thereto.

Substitute Abstract

A carding machine for bundled fibers includes a feed roll wound with the bundled fibers; a carding unit to card the bundled fibers drawn out from the feed roll with a fluid that flows in a direction that is orthogonal relative to a moving direction of the bundled fibers; and a rewind roll that rewinds a carded sheet formed by the bundled fibers that are carded in the carding unit, wherein the carding unit includes an internal frame that forms a fluid flow path and a plurality of supporting parts placed along the moving direction of the bundled fibers between a front end and a back end in the moving direction of the bundled fibers within the frame.

Marked-up version of Original Abstract

~~Technical Field: A reinforced fiber sheet used as a reinforcing material of the fiber that reinforces a composite material that is manufactured following the carding of bundled fibers.~~

~~Technical Problem: Provide a carding machine that smoothly produces a carded sheet from the bundled fibers of reinforced filaments.~~

~~Solution Method: One or more supportive part (254) is placed in a plane or a crescent form at certain intervals along the moving direction of the bundled fibers in a carding unit (25) to card them with a fluid before and after the supportive parts, improving the carding efficiency.~~

~~Major Application: Aerospace, land transportation, shipping, building, construction, industrial parts, and sporting goods.~~

A carding machine for bundled fibers includes a feed roll wound with the bundled fibers; a carding unit to card the bundled fibers drawn out from the feed roll with a fluid that flows in a direction that is orthogonal relative to a moving direction of the bundled fibers; and a rewind roll that rewinds a carded sheet formed by the bundled fibers that are carded in the carding unit, wherein the carding unit includes an internal frame that forms a fluid flow path and a plurality of supporting parts placed along the moving direction of the bundled fibers between a front end and a back end in the moving direction of the bundled fibers within the frame.